

A6.4-MEP007

Meeting report

Seventh meeting of the Methodological Expert Panel

Version 01.0

Date of meeting: 7 to 11 July 2025

Place of meeting: Bonn, Germany



TABLE OF CONTENTS		Page
AGENDA ITEM 1.	AGENDA AND MEETING ORGANIZATION	3
Agenda item 1.1.	Opening.....	3
Agenda item 1.2.	Adoption of the agenda.....	3
AGENDA ITEM 2.	GOVERNANCE AND MANAGEMENT MATTERS	3
Agenda item 2.1.	Matters related to the Methodological Expert Panel.....	3
Agenda item 2.2.	Upcoming deadlines of relevance to stakeholders.....	4
AGENDA ITEM 3.	REGULATORY MATTERS	4
Agenda item 3.1.	Requirements for methodologies.....	4
Agenda item 3.2.	Removals	5
Agenda item 3.3.	Revision of clean development mechanism methodologies and methodological tools	6
Agenda item 3.4.	Methodologies/tools for Article 6.4 activities.....	8
AGENDA ITEM 4.	RELATIONS WITH FORUMS AND OTHER STAKEHOLDERS	10
AGENDA ITEM 5.	CONCLUSION OF THE MEETING	10
ANNEXES TO THE REPORT		11

Agenda item 1. Agenda and meeting organization

Agenda item 1.1. Opening

1. The Co-Chair of the Methodological Expert Panel (MEP), Mr. El Hadji Mbaye Diagne, opened the seventh meeting.
2. Table 1 shows attendance at the meeting (*italics* indicates virtual attendance).

Table 1. Attendance

Co-Chairs	Members
Mr. El Hadji Mbaye Diagne	Mr. Amr Osama Abdel-Aziz
Mr. Simon Fellermeier	Ms. Enam Akoetey-Eyiah
	Mr. Ruy Anaya de la Rosa
	<i>Ms. Penelope Baalman</i>
	Mr. Daniel Cullenward
	Mr. Wojciech Galinski
	<i>Ms. Yaning Jin</i>
	Ms. Martha Ntabadde Kasozi
	<i>Mr. Braulio Pikman</i>
	Ms. Navjot Kaur Sandhu
	Mr. Lambert Schneider
	Mr. Samir Thapa
	Ms. Jessica Wade-Murphy de Jimenez
	Mr. Kenichiro Yamaguchi

Agenda item 1.2. Adoption of the agenda

3. The MEP adopted the meeting agenda as proposed.
4. The MEP considered information provided by its members and the Co-Chairs with respect to any potential conflict of interest. Statements on conflict of interest can be viewed on the United Nations Framework Convention on Climate Change (UNFCCC) Article 6.4 mechanism website.¹

Agenda item 2. Governance and management matters

Agenda item 2.1. Matters related to the Methodological Expert Panel

5. The MEP took note that the eighth meeting of the MEP (MEP 008) will be held from 1 to 5 September 2025.

¹ Refer to <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

Agenda item 2.2. Upcoming deadlines of relevance to stakeholders

6. The MEP took note that the deadline for stakeholders to submit proposed new methodologies and methodological tools for consideration at its ninth meeting is published on the UNFCCC website.²

Agenda item 3. Regulatory matters

Agenda item 3.1. Requirements for methodologies

7. The MEP continued its consideration of the development of the documents related to requirements for methodologies (see Table 2) based on the “Standard: Application of the requirements of Chapter V.B (Methodologies) for the development and assessment of Article 6.4 mechanism methodologies” (document A6.4-STAN-METH-001)³ and as mandated by the Supervisory Body in the MEP workplan for 2025 (document A6.4-INFO-GOV-021).⁴

Table 2. Status of methodological products on emission reduction activities

Type	Title	Status	Paragraph
Tool	Investment analysis	Work in progress	8
Tool	Common-practice analysis	Call for public input	9
Tool	Lock-in risk analysis	Work in progress	10
Standard	Addressing suppressed demand in mechanism methodologies	Recommendation	11
Concept note	Applicability of removal guidance to emission reduction activities and vice versa	Recommendation	12

8. The MEP considered the draft “Tool: Investment analysis”, including requirements for stepwise procedures for the simple cost analysis, benchmark analysis and investment comparison analysis, and potential approaches for the calculation of country default values for return on equity, and agreed to continue working on the tool at its next meeting.
9. The MEP considered the draft “Tool: Common practice analysis”, as contained in annex 1 to this report. The MEP agreed to seek inputs from stakeholders on the draft version of the tool. The MEP will analyse the inputs at its next meeting and incorporate them in a revised draft for consideration of the Supervisory Body.

² See <https://unfccc.int/process-and-meetings/the-paris-agreement/paris-agreement-crediting-mechanism/methodologies#howtosubmit-methodologies>.

³ See <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-001.pdf>.

⁴ See <https://unfccc.int/sites/default/files/resource/A6.4-INFO-GOV-021.pdf>.

10. The MEP considered the draft methodological tool “Analysis of lock-in risk”, including its overall structure of analysis, applicability, and scope of lock-in aligning with the specific conditions and parameters, and their requirements in the additionality standard. The MEP agreed to continue working on the tool at its next meeting.
11. The MEP considered the public input received and finalized the draft “Standard: Addressing suppressed demand in mechanism methodologies”, as contained in annex 2 to this report, and agreed to recommend to the Supervisory Body that it consider and adopt the draft standard.
12. The MEP considered the public input received on the draft “Concept note: Applicability of removal guidance to emission reduction activities and vice versa” and finalized this concept note, as contained in annex 3 to this report, and agreed to recommend to the Supervisory Body that it consider and take note of this concept note.

Agenda item 3.2. Removals

13. The MEP continued its consideration of the development of the documents related to removals (see Table 3), based on the “Standard: Requirements for activities involving removals under the Article 6.4 mechanism” (document A6.4-STAN-METH-002)⁵ and as mandated by the Supervisory Body for the MEP workplan for 2025 (document A6.4-INFO-GOV-021).⁶

Table 3. Status of methodological products on activities involving removals

Type	Title	Status	Paragraph
Standard	Addressing non-permanence/reversals in mechanism methodologies, including: <ol style="list-style-type: none"> a. Post-crediting period monitoring, reporting, and remediation of reversals, post-reversal action, and host Party roles; b. Late, incomplete or missing monitoring report submissions, and treatment of activities for which a reversal results in a removals level that falls below baseline; c. Reversal risk assessment; d. Avoidable and unavoidable reversals, and reversal compensation. 	Call for public input	14–16

14. The MEP considered the draft “Standard: Addressing non-permanence/reversals”. The MEP did not reach consensus on this document and on the appendices. The finalized document, as contained in annex 4, provides different options for a draft standard on addressing non-permanence/reversals. The MEP will seek inputs from stakeholders on the draft version of this standard. At its next meeting, the MEP will analyse the inputs and

⁵ Refer to <https://unfccc.int/sites/default/files/resource/A6.4-STAN-METH-002.pdf>.

⁶ See footnote 4.

incorporate them as necessary in the revised draft standard and prepare a revised draft for consideration of the Supervisory Body.

15. The MEP agreed to continue to work on the reversal risk assessment tool at its next meeting, including whether upper limits are needed with respect to the overall risk rating or specific risk factors that will be included within the tool, including options and science-based rationales for upper limit(s), risk rating that constitutes a negligible risk, any further categorization of risk, and how remediation measures are taken into account in the risk assessment tool.
16. Furthermore, the MEP noted that the Supervisory Body requested it to consider the role of the host Party in addressing reversals, as referenced in the MEP's 2025 workplan.⁷ However, the MEP observed that the "Standard: Requirements for activities involving removals under the Article 6.4 mechanism" does not currently address host Party roles. Therefore, the MEP seeks clarification from the Supervisory Body on whether it should undertake further work on this matter.

Agenda item 3.3. Revision of clean development mechanism methodologies and methodological tools

17. The MEP continued its consideration of the revision of the clean development mechanism (CDM) methodologies, methodological tools, methodological standards and methodological guidelines (see Table 4). Revision of these documents shall take into consideration the latest methodological standards⁸ and ongoing work under agenda item 3.1 and agenda item 3.2 above.

Table 4. Status of the revision of CDM methodologies and methodological tools for the Article 6.4 mechanism

Type	Title	Status	Paragraph
CDM methodology	ACM0002: Grid-connected electricity generation from renewable sources	Work in progress	18
CDM methodology	AMS-I.D.: Grid-connected renewable electricity generation	Work in progress	18
CDM methodological tool	Tool: Emission factor for an electricity system	Work in progress	18
CDM methodology	ACM0001: Flaring or use of landfill gas	Work in progress	19

⁷ See footnote 4.

⁸ See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/rules-and-regulations#methodologies>.

Type	Title	Status	Paragraph
CDM methodological tool	Tool: Emissions from solid waste disposal sites	Work in progress	19
CDM methodological tool	Tool: Project emissions from flaring	Work in progress	19
CDM methodological tool	Tool: Mass flow of a greenhouse gas in a gaseous stream	Work in progress	19
CDM methodological tool	Tool: Determine the remaining lifetime of equipment	Work in progress	20
CDM methodological tool	Tool: Determine the baseline efficiency of thermal or electric energy generation systems	Work in progress	20
CDM methodological tool	Tool: Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation	Work in progress	20
CDM methodology	AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass	Work in progress	21
CDM methodology	AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user	Work in progress	21
CDM methodological tool	Tool: Calculation of the fraction of non-renewable biomass	Work in progress	21
CDM methodology	Standard: Sampling and surveys for CDM project activities and programmes of activities	Work in progress	21

Type	Title	Status	Paragraph
CDM methodology	Guidelines: Sampling and surveys for CDM project activities and programmes of activities	Work in progress	21

18. The MEP continued consideration of the revision of “ACM0002: Grid-connected electricity generation from renewable sources”, “AMS-I.D.: Grid-connected renewable electricity generation” and “Tool: Emission factor for an electricity system”. The MEP discussed requirements for baseline setting, demonstration of additionality, and approaches for the calculation of the grid emission factor and agreed to continue working on the revision of these methodologies and draft tool at its next meeting.
19. The MEP continued consideration of the revision of “ACM0001: Flaring or use of landfill gas”, discussed the requirements for applicability of the methodology, baseline setting, demonstration of additionality and leakage and also initiated discussion on the “Tool: Emissions from solid waste disposal sites”, “Tool: Project emissions from flaring” and “Tool: Mass flow of a greenhouse gas in a gaseous stream”, and agreed to continue working on the revision of these methodologies and tools at its next meeting.
20. The MEP agreed to prioritize the work on the revision of the following tools: “Tool: Determine the remaining lifetime of equipment”, “Tool: Determine the baseline efficiency of thermal or electric energy generation systems” and “Tool: Baseline, project and/or leakage emissions from electricity consumption and monitoring of electricity generation” and to continue working on the revision of these tools at its next meeting to develop a complete methodology applicable to article 6.4 activities.
21. The MEP considered the revision of “AMS-II.G.: Energy efficiency measures in thermal applications of non-renewable biomass”, “AMS-I.E.: Switch from non-renewable biomass for thermal applications by the user”, “Tool: Calculation of the fraction of non-renewable biomass”, “Standard: Sampling and surveys for CDM project activities and programmes of activities” and “Guidelines: Sampling and surveys for CDM project activities and programmes of activities”. The MEP noted that the consideration of proposed new methodology “PNM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions”, including public comments received on this submission, could potentially be merged with the top-down revisions of the aforementioned CDM methodologies and agreed to continue working on the revision of the methodologies and the tool at its next meeting.

Agenda item 3.4. Methodologies/tools for Article 6.4 activities

22. The MEP would like to thank the proponents of the proposed new methodologies for their submissions. Also, the MEP encourages all stakeholders who propose new methodologies to align them with the approved methodological standards.
23. The MEP considered the proposed new methodologies as shown in Table 5 below and took into account the public input received regarding these submissions. These

submissions are considered by the MEP following the “Procedure: Development, revision and clarification of methodologies and methodological tools”.⁹

Table 5. Proposed new methodology submissions from stakeholders

Type	Title	Status	Paragraph
PNM001	Production of Ammonia through electrolysis of water, air separation and synthesis of hydrogen and nitrogen	Work in progress	24
PNM002	N ₂ O abatement from nitric acid production	Work in progress	25
PNM003	Pumped Hydro Storage and Supply of Electricity to the Grid	Work in progress	26
PNM004	Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions	Work in progress	27

24. The MEP considered the proposed new methodology “PNM001: Production of Ammonia through electrolysis of water, air separation and synthesis of hydrogen and nitrogen” and agreed to seek further information from the methodology proponent, and requested the methodology proponent to make revisions to the proposed methodology submission. The MEP will continue working on the methodology at a future meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.¹⁰
25. The MEP considered the proposed new methodology “PNM002: N₂O abatement from nitric acid production” and agreed to seek further information from the methodology proponent, and requested the methodology proponent to make revisions to the proposed methodology submission. The MEP will continue working on the methodology at a future meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.¹¹
26. The MEP considered the proposed new methodology “PNM003: Pumped Hydro Storage and Supply of Electricity to the Grid” and agreed to seek further information from the methodology proponent and requested the methodology proponent, to make revisions to the proposed methodology submission. The MEP will continue working on the methodology at a future meeting. The MEP will continue working on the methodology at

⁹ See <https://unfccc.int/sites/default/files/resource/A6.4-PROC-METH-001.pdf>.

¹⁰ See <https://unfccc.int/process-and-meetings/the-paris-agreement/paris-agreement-crediting-mechanism/a64-methodologies/A6.4-PNM001>.

¹¹ See <https://unfccc.int/A6.4-PNM002>.

its next meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.¹²

27. The MEP considered the proposed new methodology “PNM004: Comprehensive Lowered Emission Assessment and Reporting (CLEAR) Methodology for Cooking Energy Transitions” and agreed to seek further information from the methodology proponent, and requested the methodology proponent to revise the proposed methodology submission. The MEP will continue working on the methodology at a future meeting. The history of this bottom-up submission can be viewed on the UNFCCC website.¹³

Agenda item 4. Relations with forums and other stakeholders

28. The MEP appreciates the comments received from stakeholders, which contribute to the improvement and refinement of its work. However, during the recent call for public input, the MEP observed that a number of submissions were received after the specified deadline and that some appeared to have been generated using artificial intelligence (AI)-based tools. The MEP kindly reminds stakeholders to submit their comments by the established deadlines and to use the template provided by the secretariat. This ensures that all inputs can be given due and timely consideration. Furthermore, the MEP encourages stakeholders to refrain from using AI-based platforms to generate comments, as such inputs often do not directly address the issues discussed in the published documents.

Agenda item 5. Conclusion of the meeting

29. The members of the MEP adopted the report of MEP 007. The report will be available on the UNFCCC website.¹⁴
30. The MEP Co-Chair, Mr. Simon Fellermeier, closed the meeting.
31. The proceedings of the open sessions of the meeting were broadcast to allow stakeholders to follow the discussion.¹⁵

¹² See <https://unfccc.int/A6.4-PNM003>.

¹³ See <https://unfccc.int/A6.4-PNM004>.

¹⁴ See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/article-64-supervisory-body/mep/meetings>.

¹⁵ See <https://www.youtube.com/playlist?list=PLBcZ22cUY9RIAoOUkoTJpdwYe7-WaSGSW>.

Annexes to the report

- Annex 1 Draft Tool: Common practice analysis (version 01.0)
- Annex 2 Draft Standard: Addressing suppressed demand in mechanism methodologies (version 02.0)
- Annex 3 Concept note: Applicability of removal guidance to emission reduction activities and vice versa (version 02.0)
- Annex 4 Draft Standard: Addressing non-permanence/reversals (version 01.0)

- - - - -

Document information

<i>Version</i>	<i>Date</i>	<i>Description</i>
01.0	14 July 2025	A6.4-MEP 007 meeting report. Initial publication.

Decision Class: Operational
Document Type: Meeting report
Business Function: Governance
Keywords: MEP, reporting procedures
